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(71) Applicant (for all designated States except US): DY-  
NAMIC FUEL SYSTEMS INC. [CA/CA]; 890 Brock  
Road South, Pickering, Ontario L1W 1Z9 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): FAIRFULL,

Thomas, A. [CA/CA]; 6 Flazington Court, Ajax, Ontario  
L1S 6N5 (CA). SOLIMAN, Mohamed, Ali, Mohamed,  
Ahmed [EG/CA]; 357 Rosedale Drive, Whitby, Ontario  
L1N 1Z2 (CA).

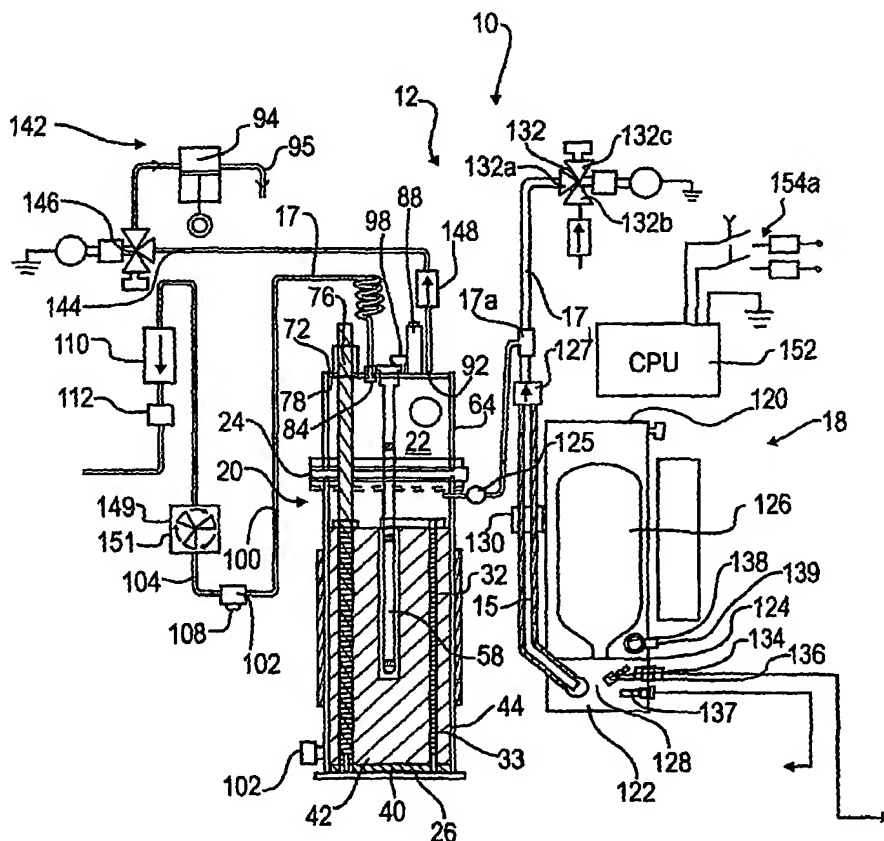
(74) Agent: RIDOUT & MAYBEE LLP; 19th Floor, 150 Met-  
calfe Street, Ottawa, Ontario K4A 3A4 (CA).

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(54) Title: OXYGEN/HYDROGEN GENERATOR FOR INTERNAL COMBUSTION ENGINES



(57) Abstract: A hydrolytic cell consists of upper and lower chambers sealed from each other by a divider, with one or more openings in the divider for the passage of gas into the upper chamber. Liquid is prevented from entering the upper chamber by gas-permeable filters such as Hastelloy™ metal filters. Also disclosed is an electrode consisting either of a generally vertical stack of spaced apart perforated disks or porous metal filters such as Hastelloy filters, mounted to a conductive rod. A level sensing system is disclosed, consisting of a light source and detector which directs light into the lower chamber which is reflected off of a reflector within the chamber, such that the liquid level is detected at the level of the detector by a reduced light intensity.

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